

CLASSIFIED MESSAGE

MFG. 9-66

Approved For Release 2000/08/24 : CIA-RDP71B00263R000200290019-7

DATE

~~SECRET~~

ROUTING	
1	9
2	10
3	11
4	12
5	13
6	14
7	15
8	16

TO : 25X1A9a 25X1A9a

FROM :

ACTION:

INFO :

IN 77581

OSA-20 BT

TO

INFO 25X1A6c

CITE

SECRET 040651Z CITE 8137

PRIORITY 25X1A6c

IDEALIST LOGS MAINT AVION FULLBORE II

PLEASE PASS ASD/OEL 25X1A9a

1. SYSTEM 17 FLOWN TWICE ON 29 NOV. ENERGIZED FOR THE FIRST FLIGHT, A FOUR HOUR HIGH BUT NOT ENERGIZED FOR THE SECOND, A TWO HOUR LOW.
2. SYSTEM PREFLIGHTED PRIOR TO FIRST FLIGHT, BUT NO OPPORTUNITY TO CHECK BETWEEN FLIGHTS. PAYLOAD REMOVED FOLLOWING SECOND FLIGHT AND POST FLIGHT CHECK WITH IMPULSE GENERATOR INDICATED ALL RECEIVERS FUNCTIONAL.
3. POST FLIGHT ANALYSIS INDICATES:
 - A. ALL RECEIVERS FUNCTIONAL. SINCE AIRCRAFT AC CUT OFF JUST PRIOR TO LANDING, THE POST FLIGHT CHECKS WERE MADE IN THE AVIONICS SHOP.
 - B. FLIGHT PLAN DIRECTLY OVER THE ISLAND. MICROWAVE ANTENNAS ORIENTED AT HORIZON. SIGNALS GOOD ON "L", "S", "C" BAND. LESS SO ON "X" BAND. POST FLIGHT CHECK INDICATED

GROUP 1
EXCLUDED FROM AUTO-
MATIC DOWNGRADING
AND DECLASSIFICATION

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IN 77581 [REDACTED] 8137

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"X" BAND RECEIVER SENSITIVITY DOWN APPROX 15 DB ON SCAN AND XTAL VIDEOP. SPARE RECEIVER WILL BE INSTALLED FOR NEXT FLIGHT. ALSO, WILL UTILIZE A VERTICALLY ORIENTED "X" BAND ANTENNA FOR FURTHER CHECK OF THAT BAND.

C. PROBLEM IN M-14 RECORDER APPARENTLY CLEARED. "B" PLUS NOT GETTING TO THE RECORD PREAMPS. APPARENTLY A PREAMP POWER SUPPLY PC BOARD WAS NOT MATING CORRECTLY IN THE CONNECTOR.

D. SWEEP MARKERS STILL NOT OPERATIONAL ON THE 17B SCANNING RECEIVERS. FREQUENCY MARKERS ON UNITS BELOW "L" BAND WERE ERRATIC AT BEGINNING OF FLIGHT, BUT STABILIZED AND OPERATED PROPERLY AFTER APPROXIMATELY 45 MINUTES.

E. ON BASIS "D" ABOVE, SUGGEST FIRST TEN MINUTES OF SLOW TAPE BE GIVEN TO FREQUENCY CALIBRATION SIGNALS DERIVED FROM A SIGNAL GENERATOR DURING PREFLIGHT. THIS CALIBRATION WOULD NOT APPLY TO THE MALFUNCTIONING "L" BAND RECEIVER, WHICH HAS THE L.O. OVERN DISCONNECTED.

4. NEXT FLIGHT FOR THE SYSTEM ON 1 DEC, TO BE FOLLOWED BY A FINAL TEST PRESENTLY SCHEDULED FOR 6 DECEMBER.

5. ON BASIS SYSTEM 17 MAY BE DECLARED OPERATIONAL O/A DECEMBER, [REDACTED]

25X1A5a2

[REDACTED] PLANS DEPART [REDACTED] FOR RETURN TO CONUS O/A 8 DEC.

~~SECRET~~ TOR: 040720Z DEC 67

25X1A5a2

25X1A2d2